Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/20/2020 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124512	-1	2.75	124639	2.70
Blue	F	SSC	125000	123785	-1	2.20	124569	2.23
Blue	E	FITC	15892	15453	-3	2.94	336	21.18
Blue	D	PE	29999	29329	-3	2.12	639	15.09
Blue	B	PerCP-Cy5-5	43732	43409	-1	3.93	1163	21.44
Blue	A	PE-Cy7	30845	30688	-1	6.46	586	42.87
Red	C	APC	46112	44791	-3	2.55	1586	12.16
Red	A	APC-Cy7	30458	29541	-4	2.48	781	12.11
Violet	B	V450	7918	7632	-4	3.99	432	12.74
Violet	A	V500	32171	31087	-4	3.70	727	10.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16972	14.17	640	19	N/A	N/A	Pass
Blue	F	SSC	56515	1.59	578	19	N/A	N/A	Pass
Blue	E	FITC	62	64.02	552	9	0.0171	75	Pass
Blue	D	PE	132	52.05	558	10	0.1614	300	Pass
Blue	B	PerCP-Cy5-5	214	51.70	666	10	0.0081	37	Pass
Blue	A	PE-Cy7	107	109.24	711	13	0.0100	22	Pass
Red	C	APC	377	26.03	591	7	0.0248	222	Pass
Red	A	APC-Cy7	172	29.45	563	7	0.0055	1151	Pass
Violet	B	V450	66	57.91	460	2	0.0537	2005	Pass
Violet	A	V500	110	30.48	476	2	0.0234	414	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.70	-32.34	1.03
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	15.87	13.60 - 20.40	N/A	N/A	29.78	30.18	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10034

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments